

WHAT IS CLAIMED IS:

1. A cross joint comprising:  
yokes each formed with a bearing hole; and  
a spider shaft rotatably fitted into said  
5 bearing hole through a rolling bearing,  
wherein said spider shaft is formed with a  
contact portion with said rolling bearing, said  
contact portion having its outside diameter larger  
than an outside diameter of said spider shaft.  
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2. A cross joint according to claim 1, wherein  
an end central portion of said contact portion is  
formed with a bottomed hole.
- 15 3. A cross joint according to claim 1 or 2,  
wherein an extreme-pressure additive is added to a  
lubricating agent filling an interior of said needle  
bearing.
- 20 4. A cross joint comprising:  
yokes each formed with a bearing hole; and  
a spider shaft fitted in a possible oscillating  
manner into said bearing hole through a needle  
bearing,  
25 wherein said needle bearing is interference-  
fitted to said spider shaft, and  
rollers provided in a bearing cup of said

needle bearing are so structured as to be movable 0.6 mm or larger in the axial direction.

- 5 5. A cross joint according to claim 4, wherein  
an extreme-pressure additive is added to a  
lubricating agent filling an interior of said needle  
bearing.